UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/645,178	08/21/2003	James Edward Bostick	AUS920030362US1	7315

50170   7590   09/05/2007

IBM CORP. (WIP)
c/o WALDER INTELLECTUAL PROPERTY LAW, P.C.
P.O. BOX 832745
RICHARDSON, TX 75083

EXAMINER
PATEL, NIRAV B

ART UNIT	PAPER NUMBER
2135	

MAIL DATE	DELIVERY MODE
09/05/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

	Application No.	Applicant(s)
Office Action Summary	10/645,178	BOSTICK ET AL.
	Examiner	Art Unit	
	Nirav Patel	2135	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>19 June 2007 (Amendment)</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-3,5-11 and 14-34* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-3, 5-11, 14-34* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

        1.☐ Certified copies of the priority documents have been received.

        2.☐ Certified copies of the priority documents have been received in Application No. _____.

        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1. Applicant's amendment filed on June 19, 2007 has been entered. Claims 1-3, 5-11, 14-34 are pending. Claims 4, 12, 13 are canceled by the applicant and claims 1, 6, 11, 14, 20, 21, 26-31 are also amended by the applicant.

2. The Office would like to notify the Applicant that there has been a change in the Examiner to conduct the future examination and prosecution processes of the currently pending application.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

3. Claims 26-31 and 34 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claims 26-31, 34 recite "A computer-usable storage medium, having computer executable instructions for ....". The claimed computer-usable storage medium carrying/storing a compute program/instructions without creating any functional interrelationship, either as part of the stored data or as part of the computing processes performed by the computer, and such descriptive material alone doesn't impart functionality either to the data as so structured, or to the computer. Therefore, claims 26-31 are not statutory since no requisite functionality is present to satisfy the practical application requirement.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 1-3, 5-9, 11, 14-17, 19-23, 25-29, 31-34 are rejected under 35

U.S.C. 103(a) as being unpatentable over Weissman (US Pub. No. 2002/0156905) in

view of Jamieson et al (US Pub. No. 2005/0005094) and in view of McCarty et al (US

Patent No. 7,093,020).

As per claim 1, Weissman teaches:

in response to a user performing only a single sign-on for said first restricted application,

providing access to said first restricted application for said user [Fig. 3, paragraph 0022,

paragraph 0019].

Weissman teaches displaying, to said user information identifying said at least one

additional restricted application [paragraph 0019 lines 7-11]; in response to a user's

selection, from said displayed information, of a selected additional restricted application

from the at least one additional restricted application, providing access to said selected

additional restricted application [Fig. 3, paragraph 0022, 0019, 0025]. Weissman

doesn't expressively mention registering the application with the at least one additional

application.

Jamieson teaches single sign-on service across Multi-domain environment [Fig. 4];

registering a first restricted application with at least one additional restricted application

[paragraph 0068, 0069 lines 7-10]; in response to a user performing only a single sign-

on for said first restricted application, providing access to said first restricted application

for said user [Fig. 4, paragraph 0039].

Therefore, it would have been obvious to a person of ordinary skill in the art at the time

the invention was made to combine Jamieson with Weissman, since one would have

been motivated to provide a mechanism whereby a user who has signed on in a first

domain may sing on to a second domain without having to manually enter the sing-on

credentials in the second domain [paragraph 0001 lines 3-6].

McCarty teaches:

identifying said at least one additional restricted application accessible using said single

sign-on; displaying, to said user information identifying said at least one additional

restricted application; and in response to a user's selection, from said displayed

information, of a selected additional restricted application from the at least one

additional restricted application, providing access to said selected additional restricted

application [Fig. 3, 4, col. 3 lines 31-35, col. 13 lines 15-49, col. 14 lines 4-12].

Therefore, it would have been obvious to a person of ordinary skill in the art at the time

the, invention was made to combine McCarty with Weissman and Jamieson, since one

would have been motivated to provide a seamless user interface as a user accesses

different web-based external systems, while maintaining the independence of the

external systems [McCarty, col. 2 lines 43-45].

As per claim 2, the rejection of claim 1 is incorporated and Jamieson teaches:

performing a single registration for all authorized users of said first restricted

application [paragraph 0080, 0009 lines 12-15].

As per claim 3, the rejection of claim 1 is incorporated and Jamieson teaches:

performing a plurality of registrations, for a plurality of groups of authorized

users of said first restricted application; and providing an access level for each of said

groups [paragraph 0080, 0009, 0076].

As per claim 5, the rejection of claim 1 is incorporated and Weissman teaches:

no additional key repository is required by said restricted applications [Fig. 3].

As per claim 6, the rejection of claim 1 is incorporated and McCarty teaches:

Said displaying further comprises said first restricted application

sending a document in hypertext markup language, wherein said document includes at

least one of a list or menu and wherein said at least one list or menu includes areas that

are selectable by said user [Fig. 4, col. 13 lines 15-25, 35-49].

As per claim 7, the rejection of claim 1 is incorporated and Weissman teaches:

receiving via said first restricted application a selection signal from said user; and

in response to said selection signal, sending via said first restricted application a

request for access to said at least one additional restricted application [Fig. 3, 0022,

0019].

As per claim 8, the rejection of claim 7 is incorporated and McCarty teaches:

said user clicks a mouse button when a cursor is positioned over a predefined area

of said presented information, to produce said selection signal [Fig. 4, col. 13 lines 35-

47, col. 14 lines 4-12, 19-28].

As per claim 9, the rejection of claim 1 is incorporated and McCarty teaches:

collecting stored information regarding a user and an appropriate level of access;

and sending to said user: a token and a redirect URL pointing to said at least one

additional restricted application [Fig. 3, 5, 6, col. 10 lines 15-22, 51-65].

In addition, Jamieson teaches: collecting stored information regarding a user and an

appropriate level of access; and sending to said user: a token and redirecting to said at

least one additional restricted application [Fig. 4, 0052, 0053, 0056].

As per claim 11, the rejection of claim 1 is incorporated and Weissman teaches:

one of said restricted applications is at least one of an intranet web server, a

portal, or a web application [Fig. 3].

As per claim 14, it encompasses limitations that are similar to limitations of claim 1.

Thus, it is rejected with the same rationale applied against claim 1 above.

As per claim 15, the rejection of claim 14 is incorporated and McCarty teaches:

under control of said second restricted application, receiving from said first restricted

application, a request to initiate said automatically logging in; sending to said user's

client, via said first restricted application a response, having a complete-automatic-log-in

URL, and token; receiving directly from said user's client a request, having said token;

and sending directly to said user's client a response, having authenticated session

information, and a welcome URL [Fig. 3, col. 3 lines 30-50, Fig. 5, 6, col. 15 lines 40-67,

col. 16 lines 1-67, col. 17 lines 1-38].

As per claim 16, the rejection of claim 15 is incorporated and Jamieson teaches:

in response to said request to initiate, creating said token; storing a copy of said token;

and associating said token with said request to initiate [Fig. 4, 0049, 0094].

As per claim 17, the rejection of claim 15 is incorporated and Jamieson teaches:

verifying said token received from said user's client; and establishing a relationship and

access level for said user's client [paragraph 0096].

As per claim 19, the rejection of claim 14 is incorporated and Jamieson teaches:

under control of said first restricted application, receiving from said user's client a

request for access to said second restricted application; in response to said request for

access, determining for said user, and said second restricted application, what level of

access should be granted; and sending to said second restricted application a request

to initiate said automatically logging in [Fig. 4, paragraph 0006, 0007, 0009, 0092-0098].

As per claims 20 and 26, it encompasses limitations that are similar to limitations of claim 1. Thus, it is rejected with the same rationale applied against claim 1 above.

As per claims 21 and 27, the rejection of claims 20 and 26 are incorporated and it encompasses limitations that are similar to limitations of claim 15. Thus, it is rejected with the same rationale applied against claim 15 above.

As per claims 22 and 28, the rejection of claims 21 and 27 are incorporated and it encompasses limitations that are similar to limitations of claim 16. Thus, it is rejected with the same rationale applied against claim 16 above.

As per claims 23 and 29, the rejection of claims 21 and 27 are incorporated and it encompasses limitations that are similar to limitations of claim 17. Thus, it is rejected with the same rationale applied against claim 17 above.

As per claims 25 and 31, the rejection of claims 20 and 26 are incorporated and it encompasses limitations that are similar to limitations of claim 19. Thus, it is rejected with the same rationale applied against claim 19 above.

As per claim 32, the rejection of claim 1 is incorporated and McCarty teaches:

said displaying further comprises said first restricted application sending a document in hypertext markup language, wherein said document includes at least one of a list or menu and wherein said at least one list or menu includes areas that are selectable by said user [Fig. 3, 4, col. 13 lines 15-25, 35-45, col. 14 lines 4-28].

As per claim 33, the rejection of claim 20 is incorporated and it encompasses limitations that are similar to limitations of claim 32. Thus, it is rejected with the same rationale applied against claim 32 above.

As per claim 34, the rejection of claim 26 is incorporated and it encompasses limitations that are similar to limitations of claim 32. Thus, it is rejected with the same rationale applied against claim 32 above.

5. Claims 10, 18, 24 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Weissman (US Pub. No. 2002/0156905) in view of Jamieson et al (US Pub. No. 2005/0005094) in view of McCarty et al (US Patent No. 7,093,020) and in view of McCrory et al (US Pub. No. 2003/0105810).

As per claim 10, the rejection of claim 9 is incorporated and Jamieson teaches:

said token is encrypted [paragraph 0072 lines 1-3].

McCrory teaches:

said token represents said appropriate level of access [paragraph 00071 lines 21-23].

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine McCrory with Weissman, Jamieson and McCarty, since one would have been motivated to enable resource sharing and more efficient resource allocation [McCrory, paragraph 0005 lines 14-15].

As per claim 18, the rejection of claim 15 is incorporated and it encompasses limitations that are similar to limitations of claim 10. Thus, it is rejected with the same rationale applied against claim 10 above.

As per claims 24 and 30, the rejection of claims 21 and 30 are incorporated and it encompasses limitations that are similar to limitations of claim 10. Thus, it is rejected with the same rationale applied against claim 10 above.

Response to Amendment

6. Applicant has amended claims 1, 6, 11, 14, 20, 21, 26-31 and added claims 32-34, which necessitated new ground of rejection. See rejection above.

Applicant has amended claims 26-31 to include the limitations "A computer-usable storage medium..." to correct the 35 U.S.C. 101 issue. However, the newly amended claims have not overcome such deficiency. See 35 U.S.C. 101 rejection above.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

Howard et al (US 6678731) – Controlling access to a network server suing an

authentication ticket

Danneels et al (US 6571339) – Use of a processor identification for authentication

Rajan et al (US 6725425) --- Method and apparatus for retrieving information from semi-

structured, web-based data sources.

8. Applicant's amendment necessitated the new ground(s) of rejection presented in

this Office action.   Accordingly, **THIS ACTION IS MADE FINAL**.   See MPEP

§ 706.07(a).   Applicant is reminded of the extension of time policy as set forth in 37

CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action.   In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action.   In no event, however, will the statutory period for reply expire later
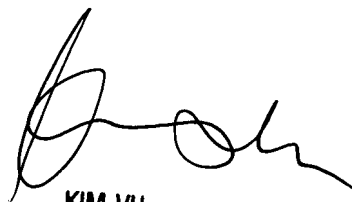
than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications

from the examiner should be directed to Nirav Patel whose telephone number is 571-

272-5936. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on 571-272-3859. The fax and phone numbers for the organization where this application or proceeding is assigned is 571-273-8300. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2100.

NBP
8/28/07

KIM VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100